



**CUWCC BMP RETAIL COVERAGE REPORT 2009-2010**  
**Foundation Best Management Practices for Urban Water Efficiency**

Agency: **City of Sacramento**  
Retail

District Name: **City of Sacramento - Retail**

CUWCC Unit #: **1002**

Primary Contact **Julie Friedman**

Telephone **(916) 808-7898**

Email: **jfriedman@cityofsacramento.org**

**Compliance Option Chosen By Reporting Agency:**  
(Traditional, Flex Track or GPCD)

Agency: **City of Sacramento**  
Retail

District Name: **City of Sacramento - Retail**

CUWCC Unit #: **1002**



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### Foundational BMPs

##### BMP 1.1 Operational Practices

		2009		2010		Conservation Coordinator provided with necessary resources to implement BMPs?
1.Conservation Coordinator provided with necessary resources to implement BMPs?	Name Title Email	Julie Friedman Water Conservation Coordinator		Julie Friedman Water Conservation Coordinator jfriedman@cityofs		
		On Track		On Track		
2. Water waste prevention documentation						
Descriptive File		Sacramento Outdoor Water				
Descriptive File 2010				Sacramento Outdoor Water Conservation Ordinance May 12 2009; Sacramento Outdoor Water Conservation Ordinance Amended 11-3-09;		On Track if any one of the 6 ordinance actions done, plus documentation or links provided
URL		In May of 2009, the City of Sacramento repealed and				
URL 2010				http://www.qcode.us/codes/sacramento/		
Describe Ordinance Terms		In May of 2009, the City of Sacramento repealed and				
Describe Ordinance Terms 2010				In FY 2009, the City of Sacramento repealed and reenacted Article XI of Chapter 13.04 of the Sacramento City Code establishing outdoor water		
		On Track		On Track		

Agency: **City of Sacramento**  
Retail

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## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### BMP 1.2 Water Loss Control

	2009	
Complete a prescreening Audit	yes	On Track
Metered Sales	50,000	
Verifiable Other Uses	50,571	
Total Supply	100,571	
(Metered Sales + System uses)/ Total Supply >0.89	1.00	On Track
If ratio is less than 0.9, complete a full scale Audit in 2009?	Yes	On Track
Verify Data with Records on File?	Yes	On Track
Operate a system Leak Detection Program?	Yes	On Track

On Track if Yes

On Track if  $\geq 0.89$ , Not on Track if No

On Track if Yes

On Track if Yes

On Track if Yes

	2010	
Compile Standard Water Audit using AWWA Software?	Yes	On Track
AWWA file provided to CUWCC?	WaterAudit 09-10	On Track
AWWA Water Audit Validity Score?	47	
Completed Training in AWWA Audit Method?	yes	
Completed Training in Component Analysis Process?	No	
Complete Component Analysis?	No	
Repaired all leaks and breaks to the extent cost effective?	Yes	On Track
Locate and repair unreported leaks to the extent cost effective.	Yes	On Track
Maintain a record-keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair.		
Provided 7 types of Water Loss Control Info		
Leaks Repaired	Value Real Losses	Value Apparent Losses
0	\$ -	\$ -
Miles Surveyed	Press Reduction	Cost of Interventions
0	Off	\$ -
Water Saved		0

On Track if Yes, Not on Track if No

On Track if Yes, Not on Track if No

Info only until 2012

Info only until 2012

Info only until 2012

On Track if Yes, Not on Track if No

On Track if Yes, Not on Track if No

Info only until 2012

Info only until 2012

Agency: **City of Sacramento**  
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District Name: **City of Sacramento - Retail**

CUWCC Unit #: **1002**



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### 1.3 METERING WITH COMMODITY RATES FOR ALL NEW CONNECTIONS AND RETROFIT OF EXISTING CONNECTIONS

Exemption or 'At least as Effective As' accepted by CUWCC

Numbered Unmetered Accounts

Metered Accounts billed by volume of use

Number of CII accounts with Mixed Use meters

Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?

Feasibility Study provided to CUWCC?

Completed a written plan, policy or program to test, repair and replace meters

2009
Yes
No
0
No
No
Yes

Not onTrack

Not On Track

On Track

2010
Yes
No
0
No
No
Yes

Not onTrack

Not On Track

On Track

If signed MOU prior to 31 Dec 1997, On Track if all connections metered; If signed after 31 Dec 1997, complete meter installations by 1 July 2012 or within 6 yrs of signing and 20% biannual reduction of unmetered connections.

On Track if no unmetered accounts

Volumetric billing required for all connections on same schedule as metering

Info only

Info only, due 2011

Info only, due 2011

On Track if Yes, Not on Track if No



# CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

## Foundation Best Management Practices for Urban Water Efficiency

Agency: **City of Sacramento**  
Retail

District Name: **City of Sacramento - Retail**

CUWCC Unit #: **1002**

Coverage Report Date: **June 9, 2011**

Primary Contact: **Julie Friedman**

Email: **jfriedman@cityofsacramento.org**

### 1.4 Retail Conservation Pricing

#### Metered Water Rate Structure

Date 2009 data received **June 1, 2011**

Date 2010 data received **June 1, 2011**

On Track if: Increasing Block, Uniform, Allocation, Standby Service; Not on Track if otherwise

Customer Class	2009 Rate Type	Conserving Rate?	Customer Class	2010 Rate Type	Conserving Rate?
Single-Family	Non-Volumetric Flat Rate	No	Single-Family	Non-Volumetric Flat Rate	No
Multi-Family	Non-Volumetric Flat Rate	No	Multi-Family	Non-Volumetric Flat Rate	No
Commercial	Non-Volumetric Flat Rate	No	Commercial	Non-Volumetric Flat Rate	No
Institutional	Non-Volumetric Flat Rate	No	Institutional	Non-Volumetric Flat Rate	No
Dedicated Irrigation	Non-Volumetric Flat Rate	No	Dedicated Irrigation	Non-Volumetric Flat Rate	No
Single-Family	Uniform	Yes	Single-Family	Uniform	Yes
<b>Not on Track</b>			<b>Not on Track</b>		

Year Volumetric Rates began for Agencies with some Unmetered Accounts

Info only

Agencies with Partially Metered Service Areas: If signed MOU prior to 31 Dec. 1997, implementation starts no later than 1 July 2010. If signed MOU after 31 Dec. 1997, implementation starts no later than 1 July 2013, or within seven years of signing the MOU,



**CUWCC BMP RETAIL COVERAGE REPORT 2009-2010**

**Foundation Best Management Practices for Urban Water Efficiency**

### Adequacy of Volumetric Rates) for Agencies with No Unmetered Accounts

Customer Class	2009 Rate Type	2009 Volumetric Revenues \$1000s	2010 Rate Type	2010 Volumetric Revenues \$1000s
Single-Family	Non-Volumetric Flat	\$ -	Single-Family	\$ -
Multi-Family	Non-Volumetric Flat R	\$ -	Multi-Family	\$ -
Commercial	Non-Volumetric Flat R	\$ -	Commercial	\$ -
Institutional	Non-Volumetric Flat R	\$ -	Institutional	\$ -
Dedicated Irrigation	Non-Volumetric Flat R	\$ -	Dedicated Irrigation	\$ -
Other		\$ -		\$ -
Single-Family		\$ 23		\$ 1,925
Total Revenue Commodity Charges (V):		\$ 23	\$ 1,925	
Total Revenue Fixed Charges (M):		\$ 43,007	\$ 43,007	
Calculate: V / (V + M):		0%	4%	
		Not onTrack	Not onTrack	

Agency Choices for rates:

A) Agencies signing MOU prior to 13 June 2007, implementation starts 1 July 2007: On Track if  $(V / (V + M)) \geq 70\% \times .8 = 56\%$  for 2009 and  $70\% \times 0.90 = 63\%$  for 2010; Not on track if  $(V / (V + M)) < 70\%$ :

B) Use Canadian model.  
Agencies signing MOU  
after 13 June 2007,  
implementation starts  
July 1 of year following  
signing.

Canadian Water & Wastewater Rate Design Model  
Used and Provided to CUWCC  
If Canadian Model is used, was 1 year or 3 year  
period applied?

No

No

## Wastewater Rates

Does Agency Provide Sewer Service?

2009

Yes

If 'No', then wastewater rate info not required.

2010

Yes

Customer Class	2009 Rate Type	Conserving Rate?	Customer Class	2010 Rate Type	Conserving Rate?
Single-Family	Non-Volumetric Flat Rate	No	Single-Family	Non-Volumetric Flat Rate	No
Multi-Family	Non-Volumetric Flat Rate	No	Multi-Family	Non-Volumetric Flat Rate	No
Commercial	Non-Volumetric Flat Rate	No	Commercial	Non-Volumetric Flat Rate	No
Institutional	Non-Volumetric Flat Rate	No	Institutional	Non-Volumetric Flat Rate	No
Dedicated Irrigation	Non-Volumetric Flat Rate	No		Non-Volumetric Flat Rate	No
Other	Non-Volumetric Flat Rate	No		Non-Volumetric Flat Rate	No
Single-Family	Allocation Based	No		Allocation Based	No
Not on Track			Not on Track		

On Track if: 'Increasing Block', 'Uniform', 'based on long term marginal cost' or 'next unit of capacity'



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### BMP 2. EDUCATION PROGRAMS

##### BMP 2.1 Public Outreach Actions Implemented and Reported to CUWCC

Does a wholesale agency implement Public Outreach Programs for this utility's benefit?  
Names of Wholesale Agencies

1) Contacts with the public (minimum = 4 times per year)

2) Water supplier contacts with media (minimum = 4 times per year, i.e., at least quarterly).

3) An actively maintained website that is updated regularly (minimum = 4 times per year, i.e., at least quarterly).

4) Description of materials used to meet minimum requirement.

5) Annual budget for public outreach program.

6) Description of all other outreach programs

2009	2010
No	No
11	10
40	8
Yes	Yes
Newsletter articles on conservation General water conservation information Newsletter articles on conservation Newsletter articles on conservation News releases Newspaper contacts Radio contacts Articles or stories resulting from outreach	Newsletter articles on conservation General water conservation information Newsletter articles on conservation Newsletter articles on conservation News releases Newspaper contacts Radio contacts Articles or stories resulting from outreach
\$ 98,420	\$ 234,308
Description is too large for text area. Data will be stored in the BMP Reporting database when online.	Description is too large for text area. Data will be stored in the BMP Reporting database when online.
OnTrack for 6 Actions	OnTrack for 6 Actions

Yes/No

All 6 action types implemented and reported to CUWCC to be 'On Track')



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### 2.2 School Education Programs Implemented and Reported to CUWCC

	2009	2010	
Does a wholesale agency implement School Education Programs for this utility's benefit? Name of Wholesale Supplier?	No 0	No 0	
1) Curriculum materials developed and/or provided by agency	<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities</li> <li>• California Waterways map</li> <li>• Student contests for K-4th grades and 5th-8th grades</li> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul>	<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities</li> <li>• California Waterways map</li> <li>• Student contests for K-4th grades and 5th-8th grades</li> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul>	Yes/ No
2) Materials meet state education framework requirements and are grade-level appropriate?	Yes	Yes	All 5 actions types implemented and reported to CUWCC to be
3) Materials Distributed to K-6?	Yes	Yes	
Describe K-6 Materials	<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities</li> <li>• California Waterways map</li> <li>• K-4 will receive a class set of "Water Conservation and You booklets"</li> <li>• Student contests for K-4th grades and 5th-8th grades</li> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul>	<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities</li> <li>• California Waterways map</li> <li>• K-4 will receive a class set of "Water Conservation and You booklets"</li> <li>• Student contests for K-4th grades and 5th-8th grades</li> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul>	Describe materials to meet minimum requirements
Materials distributed to 7-12 students?	No	No	Info Only
4) Annual budget for school education program.	\$ 21,500	\$ 21,500	
5) Description of all other water supplier education programs	Description is too large for text area. Data will be stored in the BMP Reporting database when online.	Description is too large for text area. Data will be stored in the BMP Reporting database when online.	
	0	0	





## CUWCC BMP COVERAGE REPORT FOR WHOLESALE AGENCIES

### Foundation Best Management Practices for Urban Water Efficiency

Agency: **City of Sacramento** District Name: **City of Sacramento** CUWCC Unit #: **2002**  
 Primary Contact: **Julie Friedman** Email: **jfriedman@cityofsacramento.org**  
 Base Year: **Fiscal** Calendar or Fiscal Year Reporting Report Date: **27-May-11**  
**Foundational BMPs**  
**BMP 1.1.3 Wholesale Agency Assistance Programs**  
 Date of 2009 Data Download: **June 1, 2011**  
 Date of 2010 Data Download: **June 15, 2011**

a) Financial investments and building partnerships Value of resources provided to retailers for:	<b>2009 Monetary Amount for Financial Incentives</b>	<b>2009 Monetary Amount for Equivalent Resources</b>
<b>2009</b>		
Outreach and Education (BMP 2.1, 2.2)	\$ 2,500	\$ 34,009
Grant Application (BMP 3, 4, 5)	no data	\$ 11,250
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
Total Value of Resources	\$ 2,500	\$ 45,259
	<b>On Track</b>	<b>On Track</b>

a) Financial investments and building partnerships Value of resources provided to retailers for:	<b>2010 Monetary Amount for Financial Incentives</b>	<b>2010 Monetary Amount for Equivalent Resources</b>
<b>2010</b>		
Outreach and Education (BMP 2.1, 2.2)	\$ 2,500	\$ 34,009
Grant Application (BMP 3, 4, 5)	no data	\$ 11,250
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
Total Value of Resources	\$ 2,500	\$ 45,259
	<b>On Track</b>	<b>On Track</b>

"On Track" if Retailer accepted offer and Wholesaler provided resources. "Not on Track" if Retailer accepted offer and Wholesaler did not provide resources.

Agency: **City of Sacramento** District Name: **City of Sacramento** CUWCC Unit #: **2002**

b) Technical Support	<b>2009 Technical Support Description</b> City has five wholesale agreements with other purveyors within the American River place of use, and provides these with assistance in meeting their BMPs, serving as a liaison with the Water Forum Successor Effort, helping customers accept BMP assistance, and improving awareness in water conservation. Also, City participates in the regional campaign and efforts for outreach, education, and grant application with Regional Water Authority.	<b>2010 Technical Support Description</b> City has five wholesale agreements with other purveyors within the American River place of use, and provides these with assistance in meeting their BMPs, serving as a liaison with the Water Forum Successor Effort, helping customers accept BMP assistance, and improving awareness in water conservation. Also, City participates in the regional campaign and efforts for outreach, education, and grant application with Regional Water Authority.	" On Track" if Retailer accepted and Wholesaler provided and described Technical Support
	On Track	On Track	
c) Retail Agency	2009	2010	
Regional Water Authority Regional Water Authority Regional Water Authority City of Sac, Regional no data no data no data	<b>Programs Managed for Retailers</b> City participates in Regional Water Authority Water Conservation Program Regional Water Authority Outreach Committee – City's Green Gardener/ Water Conservation Workgroup Program management to facilitate State Model Water Conservation Program no data no data no data	<b>c) Retail Agency Programs Managed for Retailers</b> City participates in Regional Water Authority Water Conservation Program Regional Water Authority Outreach Committee – City's Green Gardener/ Water Conservation Workgroup Program management to facilitate State Model Water Conservation Program no data no data no data	" On Track" if Retailer accepted and Wholesaler provided and lists programs managed for retailers
	On Track	On Track	
d) Water Shortage Allocation	2009	2010	
Has Water shortage plan or policy been adopted?	November 1, 2006 <a href="http://www.cityofsacramento.org/utilities/urbanwater/management_plan.htm">http://www.cityofsacramento.org/utilities/urbanwater/management_plan.htm</a>	Adoption Date November 1, 2006 <a href="http://www.cityofsacramento.org/utilities/urbanwater/management_plan.htm">http://www.cityofsacramento.org/utilities/urbanwater/management_plan.htm</a>	"OnTrack" if plan /policy adopted and document provided. "Not on Track" if no water shortage plan or policy adopted or document not provided.
	On Track	On Track	
e) Non signatory Reporting of BMP implementation by non-signatory agencies	Not able to report	Not able to report	Report if possible
	On Track	On Track	
f) Encourage CUWCC Membership	List Efforts to recruit retailers	List Efforts to recruit retailers	
List Efforts to recruit retailers	Not cost effective for Fruitridge Vista to become a member of CUWCC.	Not cost effective for Fruitridge Vista to become a member of CUWCC.	"On Track" if efforts listed or dues paid.
	On Track	On Track	

CUWCC Unit #: 2002

## Date of 2010 Data Submittal: June 1, 2011

On Track if Yes  
Metered sales to retail agencies  
Into wholesale system  
On Track if  $\Rightarrow .89$ , Not on Track if No  
On Track if Yes  
On Track if Yes  
On Track if Yes

On Track if Yes

On Track if Yes

On Track if Yes

Agency: **City of Sacramento**

District Name: **City of Sacramento**

CUWCC Unit #: **2002**

**1.3 METERING WITH COMMODITY RATES FOR ALL NEW CONNECTIONS AND RETROFIT OF EXISTING CONNECTIONS**

Date of 2009 Data Submittal: June 1, 2011  
Date of 2010 Data Submittal: June 1, 2011

Exemption requested?	2009 No		2010 No	
At least as Effective As Requested?	No		No	
Does Agency have Unmetered Deliveries to Retail Agencies or Other Wholesalers?	No		No	
	Yes	On Track	Yes	On Track
Metered Accounts billed by volume of use				
Completed a written plan, policy or program to test, repair and replace meters	Yes	On Track	Yes	On Track

Volumetric billing required for all connections on same schedule as metering

On Track if Yes, Not on Track if No

Enter District ID No.	2002
-----------------------	------

Agency Row #

Data File Name

55	50	60	61
2009 BMP2.1	2010 BMP2.1	2009 BMP2.2	2010 BMP2.2



## CUWCC BMP COVERAGE REPORT FOR WHOLESALE AGENCIES

### Foundation Best Management Practices for Urban Water Efficiency

Agency: **City of Sacramento**  
WHOLESALE Water Supplier

District Name: **City of Sacramento -Wholesale**

CUWCC Unit #: **2002**

Coverage Report Date: **June 15, 2011**

Primary Contact **Julie Friedman**

Email: **jfriedman@cityofsacramento.org**

#### BMP 2. EDUCATION PROGRAMS

##### BMP 2.1 Public Outreach Actions Implemented and Reported to CUWCC

date 2009 datafile downloaded: June 1, 2011  
date 2010 datafile downloaded: June 1, 2011

1) Contacts with the public (minimum = 4 times per year)

2) Water supplier contacts with media (minimum = 4 times per year, i.e., at least quarterly).

3) An actively maintained website that is updated regularly (minimum = 4 times per year, i.e., at least quarterly).

4) Description of materials used to meet minimum requirement.

5) Annual budget for public outreach program.

6) Description of all other outreach programs

2009	2010
11	10
40	25
Yes	Yes
Website Flyers and/or brochures, bill stuffers, message Email Messages General water conservation information News releases Newspaper contacts Articles or stories resulting from outreach Written editorials	Newsletter articles on conservation General water conservation information Newsletter articles on conservation Newsletter articles on conservation News releases Newspaper contacts Radio contacts Articles or stories resulting from outreach
\$ 98,420	\$ 214,308
Wholesaler implements programs within own service area. Regional effort, with the Regional Water Authority, reaches out to the greater Sacramento and Placer Counties.	Includes Blue Thumb Neighbors, also listed under "Social Marketing Expenditures"
<b>On Track for 6 Actions</b>	<b>On Track for 6 Actions</b>

All 6 action types implemented and reported to CUWCC to be 'On Track')

Agency: **City of Sacramento**  
WHOLESALE Water Supplier

District Name: **City of Sacramento -Wholesale**

CUWCC Unit #: **2002**

Coverage Report Date: **June 15, 2011**

## 2.2 School Education Programs Implemented and Reported to CUWCC

date 2009 datafile downloaded: June 1, 2011

date 2010 datafile downloaded: June 1, 2011

Does this wholesale agency implement School Education Programs for Sub Wholesalers or Retail unility's benefit?

Names of Sub Wholesale and Retail Agencies benefiting from Program?

1) Curriculum materials developed and/or provided by wholesale agency

2) Materials meet state education framework requirements and are grade-level appropriate?

3) Materials Distributed to K-6?

Describe K-6 Materials

Materials distributed to 7-12 students?

4) Annual budget for school education program.

5) Description of all other water supplier education programs

2009	2010
Yes	Yes
Sacramento Suburban Water District, California American Water Company, Sacramento County Water Agency ( Regional effort with the Regional Water	Sacramento Suburban Water District, California American Water Company, Sacramento County Water Agency ( Regional effort with the Regional Water Authority)
<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities <ul style="list-style-type: none"> <li>• California Waterways map</li> </ul> </li> <li>• Student contests for K-4th grades and 5th-8th grades <ul style="list-style-type: none"> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities <ul style="list-style-type: none"> <li>• California Waterways map</li> </ul> </li> <li>• Student contests for K-4th grades and 5th-8th grades <ul style="list-style-type: none"> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul> </li> </ul>
Yes	Yes
Yes	Yes
<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities <ul style="list-style-type: none"> <li>• California Waterways map</li> </ul> </li> <li>• K-4 will receive a class set of "Water Conservation and You booklets"</li> <li>• Student contests for K-4th grades and 5th-8th grades <ul style="list-style-type: none"> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Student supplements, written by an award-winning environmental educator and edited by water agency personnel.</li> <li>• Teaching materials, online Be Water Smart teacher guides and activities <ul style="list-style-type: none"> <li>• California Waterways map</li> </ul> </li> <li>• K-4 will receive a class set of "Water Conservation and You booklets"</li> <li>• Student contests for K-4th grades and 5th-8th grades <ul style="list-style-type: none"> <li>• Subscription to Sacramento Bee newspaper for 4 consecutive weeks for the program</li> </ul> </li> </ul>
No	No
\$ 21,500	\$ 21,500
Description is too large for text area. Data will be stored in the BMP Reporting database when online.	Description is too large for text area. Data will be stored in the BMP Reporting database when online.
On Track	On Track

All 5 actions types implemented and reported to CUWCC to be 'On Track'

Describe materials to meet minimum requirements

Info Only



## CUWCC BMP COVERAGE REPORT BMP 3 RESIDENTIAL

Agency: **City of Sacramento** District Name: **City of Sacramento - Retail** CUWCC Unit #: **1002**

Date: **July 4, 2011**  
Email: **jfriedman@cityofsacramento.org**

Primary Contact **Julie Friedman**

Compliance Option Chosen By Reporting Agency: **Traditional**

Date 2009 Data Downloaded from PDF **June 1, 2011**  
Date 2010 Data Downloaded from PDF **June 1, 2011**

### BMP 3 C 1) Residential Assistance

	2009 Single Family Accounts	2009 SF Target	2009 Multi Family Units	2009 MF Targets
Total Number of Customers	141,359		10,975	
Total Participants during Reporting Period	219		10	
Number of Leak Detection Surveys or Assistance on Customer Property	219	2,120	10	165
Number of Faucet Aerators Distributed	203		16	
Number of WSS Showerheads Distributed	203	Not on Track	4	Not on Track

	2010 Single Family Accounts	2010 SF Target	2010 Multi Family Units	2010 MF Targets
	124,575		10174	
	331		275	
	331	1,869	275	153
	583		209	
	314	Not on Track	128	On Track

"On Track" if annual number of surveys/assistance >= 1.5% of SF accounts and MF units

### BMP 3 C2) Landscape Water Surveys

	2009 SF	2009 SF Target
Number of SF account landscape water surveys completed	159	2,120
Surveys as Percent of SF Accounts	0.11%	Not on Track

	2010 SF	2010 SF Target
	331	1869
	0.27%	Not on Track

"On Track" if annual number of landscape surveys >= 1.5% of SF accounts

### BMP 3 C3) High Efficiency Clothes Washers

	2009	2009 SF Target
Number Financial Incentives Provided to Customers	0	1,272
Percent	0.00%	Not on Track

	2010	2010 SF Target
	135	1246
	0.11%	Not on Track

"On Track" if number of incentives for HECW (WF,=5.0) => 0.9% SF accounts in 2009 and 1.0 % in 2010

### BMP 3 C4) Water Sense Specification Toilets

	2009
Retrofit 'On Resale' Ordinance exists	Not On Track
75% Market Penetration Achieved	No
If 'Yes' is documentation provided?	No

	2010
	Not On Track
	No

Ordinance must require replacement of toilets => 3.5 gpf when property is sold  
On Track if ordinance exists

On Track if 75% penetration achieved and documentation provided

Agency: **City of Sacramento** District Name: **City of Sacramento - Retail** CUWCC Unit #: **1002**

documentation provided

Number WSS Toilets Installed	SF 391	On Track	MF Units 26	Not On Track	SF 951	On Track	MF Units 533	On Track
Ave Resale Rate X Toilets /residence	104		147		104		147	

On Track If number of toilets installed  
=> average resale rate X number toilets  
per residence (from Base Year Data)

**BMP 3 C5) WSS for New Residential Development**

Does an Ordinance Exists Requiring WSS Fixtures and Appliances in new SF and MF	2009 No	Not On Track	2009 No	Not On Track	2010 SF No	Not On Track	2010MF No	Not On Track
If 'Yes' is documentation provided?	No		No		No		No	

On Track if ordinance exists requiring WSS  
in new residential units and documentation  
is provided

**Incentives**

Number of new SF & MF units built	462	311	87	45
-----------------------------------	-----	-----	----	----

If no ordinance, to be On Track, provide  
incentives and describe, Including:

List Incentive Types, \$ amounts, number of  
WSS fixtures installed; and number of  
participating SF & MF homes

2009 New Residential Development Incentives and Results								
Types of Incentives	Incentive Value SF	Number WSS Fixtures Installed	Number SF Participants	Number MF Participants	Measured SF Water Savings AF	Measured MF Water Savings AF		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		

# of Other Components	225
Description	Outdoor Spray Nozzle, bucket and/or hose timer

2010 New Residential Development Incentives and Results								
Types of Incentives	Incentive Value SF	Number WSS Fixtures Installed	Number SF Participants	Number MF Participants	Measured SF Water Savings AF	Measured MF Water Savings AF		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		
0	\$ -	0	0	0	0	0		

# of Other Components	500
Description	Outdoor Spray Nozzle, bucket and/or hose timer



## CUWCC BMP COVERAGE REPORT

### Traditional BMP 4 - Comercial Industrial Institutional

Agency: **City of Sacramento** District Name: **City of Sacramento - Retail** CUWCC Unit #: **1002**  
 Primary Contact: Julie Friedman Email: [jfriedman@cityofsacremtno.org](mailto:jfriedman@cityofsacremtno.org) Report Date: July 4, 2011  
 Compliance Option Chosen By Reporting Agency: Traditional  
 Date Agency Signed MOU: 1/3/1995 Initial 10 year period completed: Y/N If "Yes" , 50% credit for past BMP 9 Implementation? y/n

Water Savings Credit (AF) 42.7

CII Baseline Water Use (AF): 23,873.0

Target CII Water Use Reduction (AF) 2,387.3  
 2 year Target (AF) 119.4

#### Water Efficiency Measures

	2009 Quantity Installed	2009 Water Savings AF	2010 Quantity Installed	2010 Water Savings AF	Type of Program	Other type of Program	
1 High Efficiency Toilets (1.2 GPF or less)	503	21.0	229	9.6	Incentive		Guideline: 'On Track' if estimated savings as percent of baseline: 0.5% by the end of first reporting period 2.4% by end of yr 4, 6.4% by end of year 8
2 High Efficiency Urinals (0.5 GPF or less)	37	2.6	29	2.0	Incentive		
3 Ultra Low Flow Urinals			8	0.6	Incentive		
4 Zero Consumption Urinals		0.0		0.0			
5 Commercial High Efficiency Single Load Clothes Washers		0.0	0	0.0			9 % by end of yr 10
6 Cooling Tower Conductivity Controllers		0.0	0	0.0			CII List of Efficiency Measures from MOU Compliance Policies Tier 3, page 5, dated 10-06-09
7 Cooling Tower pH Controllers	0	0.0	0	0.0			
8 Connectionless Food Steamers	0	0.0	0	0.0			
9 Medical Equipment Steam Sterilizers	0	0.0	0	0.0			
10 Water Efficient Ice Machines	0	0.0	0	0.0			
11 Pressurized Water Brooms	0	0.0	0	0.0			
12 Dry Vacuum Pumps	0	0.0	0	0.0			
<b>Total Water Savings</b>		23.6		12.2		Not onTrack	



## CUWCC BMP COVERAGE REPORT

### Traditional BMP 5 - Landscape

Agency: **City of Sacramento**  
 District Name: **City of Sacramento - Retail**  
 Primary Contact: Julie Friedman  
 Email: [jfriedman@cityofsacramento.org](mailto:jfriedman@cityofsacramento.org)  
 Compliance Option Chosen By Reporting Agency: Traditional  
 Date Agency Signed MOU: 1/3/2005  
 CUWCC Unit #: **1002**  
 Report Date: **July 5, 2011**  
 Initial 10 year period completed: **N** If "Yes", 50% credit for past BMP 9 Implementation?  
 50% of Completed Accounts: **77.5**

#### Required Documentation

	2009	2010	
Number of dedicated irrigation meter accounts	1643	1672	
Number of dedicated irrigation meter accounts with water budgets	193	386	
Percent of dedicated irrigation meters with water budgets	11.7%	23.1%	ETo-based water use budgets developed for 90% of CII accounts with dedicated irrigation meters at an average rate of 9% per year over 10 years
Target Rate for Year 1	9%	18%	On Track
Aggregate water use for dedicated non-recreational landscape accounts with budgets			
Aggregate acreage assigned water budgets and average ET for dedicated non-recreational landscape accounts with budgets	2009 Acres 2009 Average ET	2010 Acres 2010 Average ET	
	2009 Accounts $\geq 20\%$ over-budget	2010 Accounts $\geq 20\%$ over-budget	Offer site-specific technical assistance annually to all accounts that are 20% over budget within six years of the date implementation was to commence.
	Number of Accounts	Number of Accounts	
	Offered Technical Assistance	Offered Technical Assistance	
	Accepting Technical Assistance	Accepting Technical Assistance	
	20	25	
	20	25	
Aggregate acreage of recreational areas assigned water budgets and average ET for dedicated recreational landscape accounts with budgets	2009 Acres 2009 Average ET	2010 Acres 2010 Average ET	

Agency: **City of Sacramento**

District Name: **City of Sacramento - Retail**

CUWCC Unit #: **1002**

**CII Accounts without Meters or with Mixed-Use Meters**

	2009	2010
Number of mixed use and un-metered accounts.	43	43

Incentive Type	2009 Incentives and Responses		
	Incentive Value \$	Number offered to Customers	Number accepted by Customers

	2010 Incentives and Responses		
	Incentive Value \$	Number offered to Customers	Number accepted by Customers

Agency will implement and maintain a customer incentive program(s) for irrigation equipment retrofits.

	2009 Surveys	
	Number offered.	Number accepted
Landscape Irrigation Surveys		

Aggregate acreage for Mixed Use and un-metered accounts

	2010 Surveys	
	Number offered.	Number accepted

Complete irrigation water use surveys for not less than 15% of CII accounts with mixed-use meters and un-metered accounts within 10 years of the date implementation is to commence. (Note: CII surveys that include both indoor and outdoor components can be credited against coverage requirements for both the Landscape and CII BMPs.)

Percent Surveys Complete 180.2%

On Track if the percent of CII accounts with mixed-use meters receiving a landscape water use survey equals or exceeds the following: 1.5% by the end of the first reporting period (year two) following the date implementation is to commence; 3.6% by the end of year four; 6.3% by the end of year six; 9.6% by the end

Estimated annual water savings by customers receiving surveys and implementing recommendations.

2009 Savings AF

2010 Savings AF



Department of Utilities  
Office of the Director

CITY OF SACRAMENTO  
CALIFORNIA

1395 35<sup>th</sup> Avenue  
Sacramento, CA 95822-2911  
phone (916) 808-1400  
fax (916) 808-1497/1498

January 6, 2011

Mr. Baryohay Davidoff  
Department of Water Resources  
Office of Water Use and Efficiency  
901 P Street, Third Floor  
Sacramento, CA 95814

Re: AB 1420 Self Certification Statement Tables 1 and 2

Dear Mr. Davidoff:

The City of Sacramento Department of Utilities is pleased to submit AB 1420 Self Certification Statement Tables and supporting information to substantiate the Tables for your review and approval. The City submits this AB 1420 self-certification in order to document eligibility for grant funding by demonstrating water consumption demand management.

The City seeks to comply with the California Urban Water Conservation Council (CUWCC) Memorandum of Understanding (MOU) and has developed a schedule, budget, financial plan and commitment to ultimately implement all Best Management Practices (BMPs) at a coverage level determined by the CUWCC MOU. At present, the City does not have sufficient resources to satisfy the coverage requirements and intends to file exemptions for lack of funding with the CUWCC in 2011 and 2012.

Enclosed please find:

- AB 1420 Self-Certification Statement Tables 1 and 2
- CUWCC BMP coverage reports for the 2007/2008 reporting period

Please note:

- Table 1 cannot substantiate BMP implementation at the coverage level determined by the CUWCC MOU, and, as a result, Table 2 provides a schedule and budget to demonstrate the City's commitment to achieve compliance in the future with implementation of all BMPs at the coverage level determined by the CUWCC MOU.
- The City is progressing in meeting its commitments:



CITY OF SACRAMENTO  
DEPARTMENT  
OF UTILITIES

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- **BMP's 1.20, 1.30 and 1.40:** The City has proposed approximately \$8 Million in meter retrofits for fiscal year 2011 and is currently on schedule to meet the state mandated deadline to install meters by 2024. Until then, the City is not able to identify the non-revenue water lost due to leaks and will not be able to satisfy the coverage requirements for BMP 1.20, 1.30 and 1.40 until the completion of the meter retrofit program expected in 2024.
- **BMPs 1.20, 1.30 and 1.40 (Continued):**
  - At the beginning of the meter retrofit program, the City had approximately 110,000 service connections without meters. As of December, 2010, the City has installed approximately 40,000 meters or about 36 percent of the unmetered services.
  - The City proposed \$100,000 for leak detection programs in fiscal year 2011 and spent approximately \$860,000 correcting leaks in fiscal year 2010.
  - The City implemented a metered rate structure in 2008 that recovers 60 percent of its revenues by volumetric pricing as a prudent incremental step to determine customer behavior and obtain data to construct a revenue neutral rate model that complies with BMP 1.40. In the past, City customers were charged a rate that varied only by the number of rooms in their home, referred to as a flat rate. Although the City's current metered rate structure recovers a portion of its cost by volumetric pricing, the City needs to establish a rate with sufficient data to determine an appropriate pricing structure that reduces water demand, is revenue neutral, politically sustainable, and is fair to the ratepayers. The City understands that the metered rate does not comply with BMP 1.40, however the City will be re-evaluating its rate structure as more data is obtained.
- **BMPs 3.11 through 3.40:**
  - The City has progressed with the resources it has in implementing the CUWCC coverage requirements and making further reductions in future water demands; however, the City currently does not have sufficient resources to fully satisfy the coverage requirements for BMP 3.11 through 3.40 and intends to file exemptions with the CUWCC in the near future for lack of funding (such as for BMP 3.40, Residential Toilet Replacement).

The City is continuing to leverage resources, become more efficient, and employ new programs to move forward in meeting its CUWCC commitments. Of key significance, in 2009, the City began the system-wide deployment of Automated Meter Infrastructure (AMI). This system generates short interval consumption data to enhance water conservation measures, improve leak detection, reduce lost water, and manage rate structures that encourage conservation.

Mr. Baryohay Davidoff Ltr  
AB1420 Self Certification Statement Tables 1 and 2  
January 6, 2011  
Page 3

Please kindly contact Julie Friedman, Water Conservation Coordinator at (916) 808-7898, or Jim Peifer, Senior Engineer at (916) 808-1416 to assist you with further questions or information.

Thank you.

Sincerely,



Marty Hanneman  
Director, Department of Utilities

cc: Michael Malone, Field Services Manager  
Terrance Davis, Program Manager  
Dan Sherry, Supervising Engineer  
John Woodling, Executive Director, Regional Water Authority

Enclosures

# AB 1420 Self-Certification Statement Table 1

Note: Table 1 documents Status of Past and Current BMP implementation.

Self-Certification Statement: The Urban Water Supplier and its authorized representative certifies, under penalty of perjury, that all information and claims, stated in this table, regarding compliance and implementation of the BMPs, including alternative conservation approaches, are true and accurate. This signed AB 1420 Self-Certification Statement Table 1, and Table 2 are the basis for granting funds by the Funding Agency. Falsification and/or inaccuracies in AB 1420 Self Certification Statement Table 1, and Table 2 and in any supporting documents substantiating such claims may, at the discretion of the funding agency, result in loss of all State funds to the applicant. Additionally, the Funding Agency, in its sole discretion, may halt disbursement of grant or loan funds, not pay pending invoices, and/or pursue any other applicable legal remedy and refer the matter to the Attorney General's Office.

Name of Signatory Marty Hanneman Title of Signatory Director of Utilities Signature of signatory Marty Hanneman Date January 6, 2011

## Application Date:

Proposal Identification Number:

CUWCC Member? Yes ☐ No ☐

Has Urban Water Supplier submitted a 2005 Urban Water Management Plan? Yes ☐ No ☐

Is the UWM Plan Deemed Complete by DWR? Yes/No ☐

Applicant Name: City of Sacramento

## Project Title:

Applicant's Contact Information: Name: City of Sacramento Dept. of Utilities Water Conservation

Phone: 916.808.7898

E-mail: ifriedman@cityofsacramento.org

Participants:

		Retailer (List Below)									

C1	C2	C3	C4	C5	C6	C7	**C8	**C9	**C10	C11	C12	C13	C14	C15	C16	C17	C18
BMPs required for Wholesale Supplier	BMPs required for Retail Supplier		BMPs	BMP Implemented by Retailers and/or Wholesalers / BMP		Compliance Options/Alternative Conservation Approaches (1)		BMP Is Exempt (2)			BMP Implementation Requirements Met						
				Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	CUWCC MOU Requirement Met: Retailer Yes/No	CUWCC MOU Requirement Met: Wholesaler Yes/No	Date of BMP Report Submitted to CUWCC for (2007-2008) (MOU Signatories)	Date BMP Implementation Data Submitted to DWR in CUWCC Format (Non MOU Signatories) (3)	All Supporting Documents have been Submitted Yes/No
			BMP 1 Water Survey for Single/Multi-Family Residential Customers	Yes			x						No		May-09	NA	Yes*
			BMP 2 Residential Plumbing Retrofit	Yes			x						No		May-09	NA	Yes*
			BMP 3 System Water Audits, Leak Detection	Yes			x						No	No	May-09	NA	Yes*
✓	✓		BMP 3 Leak Repairs	Yes	Yes		x						No		May-09	NA	Yes*
			BMP 4 Metering with Commodity Rates for All New connections	Yes			x						No		May-09	NA	Yes*
			BMP 4 Retrofit of Existing Connections	Yes			x						No		May-09	NA	Yes*

C1	C2	C3	C4	C5	C6	C7	**C8	**C9	**C10	C11	C12	C13	C14	C15	C16	C17	C18
	BMPs required for Wholesale Supplier	BMPs required for Retail Supplier		BMP Implemented by Retailers and/or Wholesalers / BMP			Compliance Options/Alternative Conservation Approaches (1)			BMP Is Exempt (2)			BMP Implementation Requirements Met				
			BMPs	Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	CUWCC MOU Requirement Met: Retailer Yes/No	CUWCC MOU Requirement Met: Wholesaler Yes/No	Date of BMP Report Submitted to CUWCC for (2007-2008) (MOU Signatories)	Date BMP Implementation Data Submitted to DWR in CUWCC Format (Non MOU Signatories) (3)	All Supporting Documents have been Submitted Yes/No
			BMP 5 Large Landscape Conservation Programs and Incentives	Yes			X						No		May-09	NA	Yes*
		✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	Yes			X						No		May-09	NA	Yes*
✓		✓	BMP 7 Public Information	Yes	Yes		X						Yes	No	May-09	NA	Yes*
✓		✓	BMP 8 School Education	Yes	Yes		X						Yes	No	May-09	NA	Yes*
		✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts	Yes			X						No		May-09	NA	Yes*
✓			BMP 10 Wholesale Agency Assistance Programs	Yes	Yes		X						Yes	Yes	May-09	NA	Yes*
		✓	BMP 11 Conservation Pricing	Yes			X						Yes		May-09	NA	Yes*
✓		✓	BMP 12 Conservation Coordinator	Yes	Yes		X						No	No	May-09	NA	Yes*
		✓	BMP 13 Water Waste Prohibitions	Yes			X						Yes		May-09	NA	Yes*
		✓	BMP 14 Residential ULFT Replacement Programs	Yes			X						Yes		May-09	NA	Yes*
		✓		Yes			X						Yes		May-09	NA	Yes*

\*C6: Wholesaler may also be a retailer (supplying water to end water users)

\*\*C8, \*\*C9, \*\*, and C10: Agencies choosing an alternative conservation approach are responsible for achieving water savings equal or greater than that which they would have achieved using only BMP list.

(1) For details, please see: <http://www.cuwcc.org/mou/exhibit-1-bmp-definitions-schedules-requirements.aspx>.

(2) BMP is exempt based on cost-effectiveness, lack of funding, and lack of legal authority criteria as detailed in the CUWCC MOU

(3) Non MOU signatories must submit to DWR reports and supporting documents in the same format as CUWCC.

\*See attached coverage reports

# AB 1420 Self-Certification Statement Table 2

Provide Schedule, Budget, and Finance Plan to Demonstrate Commitment to Implement All BMP's to Become in Compliance with BMP Implementation - Commencing Within 1st Year of Agreement for Which Applicant Receives Funds.

Self-Certification Statement: The Urban Water Supplier and its authorized representative certifies, under penalty of perjury, that all information and claims, stated in this table, regarding compliance and implementation of the BMPs, including alternative conservation approaches, are true and accurate. This signed AB 1420 Self-Certification Statement Table 1 and Table 2 are the basis for granting funds by the Funding Agency. Falsification and/or inaccuracies in AB 1420 Self Certification Statement Table 1 and Table 2, and in any supporting documents substantiating such claims may, at the discretion of the funding agency, result in loss of all State funds to the applicant. Additionally, the Funding Agency, in its sole discretion, may halt disbursement of grant or loan funds, not pay pending invoices, and/or pursue any other applicable legal remedy and refer the matter to the Attorney General's Office.

Name of Signatory: Marty Hammeman

Title of Signatory: Director of Utilities

Signature of signatory

Date January 6, 2011

## Application Date:

Proposal Identification Number:

Applicant Name:

City of Sacramento

City of Sacramento

Is the UWM Plan Deemed Complete by DWR?

CUWCC Member?

Yes/No

Yes/No

Applicant's Contact Information:

Name City of Sacramento Dept. of Utilities Water Conserv/Engineering Offices, 916.808.7898, 916.808.1416

Participants:		Retailer (List Below)	

C1	C2	C3	C4	C5	*C6	C7	C8	**C9	**C10	*C11	C12	C13	C14	C15	C16	C17	C18	C19		
				BMP Implemented by Retailers and/or Wholesalers		Alternative Conservation Approaches		Compliance Options / Alternative Conservation Approaches (1)			BMP is Exempt (2)		Implementation Scheduled to Commence within 1st Year of Agreement							
CUWCC BMPs 2010 Flex Track Wholesale Supplier BMPs	BMPs required for Retail Supplier	BMPs required for Retail Supplier	BMPs	Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	Alternative Conservation Approaches Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	Start Date (MM/YY)	Completion Level (%)	BMP Completion Date (MM/YY)	Funding Source & Finance Plan to Implement BMPs	Meets CUWCC Coverage Yes/No	Funds Requested, if Available. (See AB 1420 Compliance Table 3) Yes/No	
1. Utility Operations Programs																				
BMP 12 Conservation																				
1.11	✓		Coordinator	Yes	Yes			X						7/1/2009	100%	Ongoing	\$116,542	Water Rates	Yes	
1.12	✓		BMP 13 Water Waste Prohibitions	Yes				X						7/1/2009	100%	Ongoing	\$184,797	Water Rates	Yes	
1.13	✓		BMP 10 Wholesale Agency Assistance Programs	Yes	Yes			X						7/1/2009	100%	Ongoing	\$34,908	Water Rates	Yes	
1.20	✓		BMP 3 System Water Audits, Leak Detection/Repair	Yes	Yes			X						2000	Unquantifiable	12/2025		\$100,000	Water Rates	No - See Cover Letter
1.30	✓		BMP 4 Metering with Commodity Rates for All New/Retrofit of Existing connections	Yes				X						2005	36%	12/2025		\$7,975,000	Grant	No - See Cover Letter
1.40	✓		BMP 11 Conservation Pricing	Yes				X						7/1/2009	Ongoing		\$0	Water Rates	No - See Cover Letter	
2. Educational Programs																				
2.10	✓		BMP 7 Public Information	Yes	Yes			X						7/1/2009	100%	Ongoing		\$37,500	Water Rates	Yes
2.20	✓		BMP 8 School Education	Yes	Yes			X						7/1/2009	100%	Ongoing		\$37,500	Water Rates	Yes
3. Residential																				
3.11	✓		BMP 1 Indoor Water Survey for Single/Multi-Family Residential Customers	Yes				X						7/1/2009	50%	Ongoing		\$341,700	Water Rates	No - See Cover Letter
3.12			BMP 1 Outdoor Water Survey for Single/Multi-Family Residential Customers	Yes				X						7/1/2009	50%	Ongoing		\$0 (in 3.11 above)	Water Rates	No - See Cover Letter
3.20	✓		BMP 2 Residential Plumbing Retrofit	Yes				X						7/1/2009	50%	Ongoing		\$0 (in 3.11, 3.12 above)	Water Rates, Grant	No - See Cover Letter
3.30	✓		BMP 6 High-Efficiency Washing Machine Rebate Programs	Yes				X						7/1/2009	25%	Ongoing		\$143,320	Water Rates, Grant	No - See Cover Letter
3.40	✓		BMP 14 Residential "ULF" Replacement Programs	Yes				X						7/1/2009	30%	Ongoing		\$726,775	Water Rates, Grant	No - See Cover Letter





# REPORT TO COUNCIL

## City of Sacramento

# 36

915 I Street, Sacramento, CA 95814-2604  
[www. CityofSacramento.org](http://www.CityofSacramento.org)

Consent  
June 23, 2009

**Honorable Mayor and  
Members of the City Council**

**Title:** Approval of the Updated Water Conservation Element to the 2000 Water Forum Agreement

**Location/Council District:** City-wide

**Recommendation:** Adopt a resolution approving the updated Water Conservation Element to the 2000 Water Forum Agreement.

**Contact:** Julie Friedman, Water Conservation Administrator, (916) 808-7898  
Marty Hanneman, Assistant City Manager, Director of Utilities, (916) 808-7508

**Presenters:** N/A

**Department:** Utilities

**Division:** Water Conservation

**Organization No:** 14001441

### **Description/Analysis**

#### **Issue:**

The City of Sacramento, as a signatory to the 2000 Water Forum Agreement (WFA), committed to implementing a comprehensive water conservation plan. The plan consists of a series of individually negotiated Best Management Practices (BMPs) and calls for five year updates for addressing new or revised BMPs. The City and other signatories to the WFA have been working since 2004 to update the conservation element. The updated Water Conservation Element is complete; staff recommends its approval and adoption.



**Policy Considerations:** This recommendation is consistent with the Mayor and City Council's mission to protect, preserve, and enhance the quality of life for present and future generations. The Water Forum Successor Effort has employed the collaborative principles and methods used in developing the WFA (City Agreement No. 1999-222).

**Environmental Considerations:**

**California Environmental Quality Act (CEQA):**

CEQA applies only to projects that have the potential for causing a significant effect on the environment (CEQA Guidelines § 15061(b)(3)). Adoption of this resolution approving the updated Water Conservation Element to the 2000 Water Forum Agreement will not cause any significant environmental effects. In addition, under CEQA Guidelines § 15378(b), continuing administrative activities do not constitute a project and are therefore exempt from review.

**Sustainability Considerations:**

Approval of the updated Water Conservation Element for the Water Forum Agreement is consistent with the City of Sacramento's Sustainability Master Plan Goals.

Sustainability Goal No. 7 - Parks, Open Space and Habitat Conservation are promoted by the second co-equal objective of the Water Forum Agreement "To preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River."

Sustainability Goal No. 8 - Water Resources and Flood Protection is supported by the first co-equal objective of the Water Forum Agreement "To provide a reliable water supply for planned development to the year 2030."

Water conservation in the Sacramento region is important not only for maintaining and protecting our water supply during dry years, and reducing the City's carbon footprint by reducing the demand for water diversion and treatment, but also benefits California's river resources by reducing the region's surface water demand.

**Commission/Committee Action:** This updated Water Conservation Element has been reviewed and developed by the Water Conservation Negotiation Team of the Water Forum Successor Effort (WFSE) and approved by the WFSE on May 14, 2009.

**Rationale for Recommendation:** Approval of the updated Water Conservation Element will allow the City of Sacramento to continue implementation of its commitments in the 2000 Water Forum Agreement. The Water Conservation Element of the *Agreement* is essential to meeting both of the co-equal objectives of the Water Forum. It helps meet the region's water supply needs, and minimizes the need for increased groundwater pumping and increased use of surface water, including diversions from the American River. The new water conservation element makes changes to the original agreement in that signatories agree to replace current water conservation plans with the CUWCC MOU

including its BMPs, schedules, targets, procedures and requirements. As the City is currently a member of CUWCC and has agreed to implement its BMPs, this change will simplify current reporting requirements.

**Financial Considerations:** There will be no additional financial impact.

**Emerging Small Business Development (ESBD):** Not applicable.

Respectfully Submitted by: Julie Friedman  
Julie Friedman, Water Conservation Administrator

Approved by: Marty Hanneman  
Marty Hanneman, Assistant City Manager, Director, Department of Utilities

Recommendation Approved:

Ray Kerridge  
Ray Kerridge  
City Manager

**Table of Contents:**

Report	pg. 1
<b>Attachments</b>	
1 Background	pg. 4
2 Resolution	pg. 6

**Background Information:**

In April 2000 representatives of over 40 business, environmental, public and water interests in the Sacramento region signed a Memorandum of Understanding to implement the *Water Forum Agreement (WFA)*. The stakeholders agreed to a series of actions, or elements, including water conservation, to achieve the *Agreement's* two co-equal objectives:

- Provide a reliable and safe water supply for the region's economic health and planned development to the year 2030; and
- Preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River.

The Water Conservation Element of the *Agreement* is essential to meeting both of the co-equal objectives of the Water Forum. It helps meet the region's water supply needs, and minimizes the need for increased groundwater pumping and increased use of surface water, including diversions from the American River.

Each water supplier in the region committed to implementing a comprehensive water conservation plan consisting of a series of individually negotiated Best Management Practices (BMPs). Water conservation plans were designed with a three-year "ramp up" to full implementation. Several of the BMPs had a calculated number of "interventions" or actions (based on the number of customers) to be completed annually. Agencies agreed to implement the full number of interventions by year four (2004) with years one to three used to prepare staff, budget and program design.

The WFA called for five year updates to water conservation plans for addressing new or revised BMPs as a future "changed condition" discussion.

Water Forum signatories began the process of updating their conservation plans in 2004. The Water Conservation Negotiation Team was convened for the negotiations. It included members of the Water Forum business, water, environmental and public caucuses. The City of Sacramento participated as a member of the water caucus.

Between 2004 and today the negotiations have gone through several iterations; but there have been some key principles which have guided the discussions.

- All parties seek to maximize water conservation in a way that is accountable, easy to monitor and track and is effective.
- A water conservation program has merit and all Water Forum purveyor signatories agree to implement a water conservation program that is consistent with the California Urban Water Conservation Council Memorandum of Understanding (CUWCC MOU).
- Recognizing that many of our purveyors are not yet fully metered, there may need to be flexibility in how purveyors implement certain water conservation actions.
- While we are seeking a broad "universal" solution that applies to all purveyors, we recognize that each purveyor has unique water sources, decision-makers and structures, and constraints/opportunities.

**New Conservation Element**

- Water Forum signatories purveyors will replace current water conservation plans with the "California Urban Water Conservation Council Memorandum of Understanding Regarding Urban Water Conservation in California," (CUWCC MOU) including its Best Management Practices (BMPs), schedules, targets, procedures and requirements.
- If Water Forum signatories choose to follow the CUWCC's BMP track, they will implement all cost-effective BMPs. If a BMP is not locally cost effective, the purveyor may choose to defer implementation of that BMP and instead, invest an equivalent level of funding into another water conservation activity.
- Water Forum signatories agree to changes and modifications to CUWCC processes and BMPs as they evolve over time, including the 2008 revisions and subsequent revisions. Water Forum signatories further agree that signatory purveyors without land use authority can not be required to implement programs or processes that they do not have legal authority to implement (i.e. landscape requirements).
- Water Forum signatories are encouraged to become members of the CUWCC in order to be actively engaged in discussions regarding revisions to the MOU and the BMPs, and to take advantage of the CUWCC's resources and expertise.
- Water Forum signatories recognize that the CUWCC has existing procedures in place to enable members to request exemptions from BMPs. Water Forum signatories agree that this process does not result in a clear decision and does not ensure full compliance of BMPs. To address this shortcoming, the Water Forum will use its own procedure for considering BMP modifications known as deferrals.

## **RESOLUTION NO.**

Adopted by the Sacramento City Council

### **WATER FORUM AGREEMENT WATER CONSERVATION ELEMENT**

#### **BACKGROUND**

A. In April 2000 the City of Sacramento signed a Memorandum of Understanding to implement the *Water Forum Agreement (WFA)*. The City agreed to a series of actions, or elements, including water conservation, to achieve the *Agreement's* two co-equal objectives:

- Provide a reliable and safe water supply for the region's economic health and planned development to the year 2030; and
- Preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River.

B. The Water Conservation Element helps meet the region's water supply needs, and minimizes the need for increased groundwater pumping and increased use of surface water, including diversions from the American River.

C. The City of Sacramento committed to implementing a comprehensive water conservation plan as a signatory to the Water Forum Agreement. That plan consisted of a series of individually negotiated Best Management Practices (BMPs). The Agreement called for five year updates to water conservation plans for addressing new or revised BMPs as a future "changed condition" discussion. The City and other signatories to the Agreement have been working since 2004 to update conservation plans.

#### **BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:**

Section 1. The Updated Water Conservation Element to the 2000 Water Forum Agreement is adopted and approved.

To view the updated Water Forum Water Conservation Element, please access the City of Sacramento's website at [www.cityofsacramento.org](http://www.cityofsacramento.org) or to view a hard copy, please visit the City Clerk's office.

## **RESOLUTION NO. 2009-433**

Adopted by the Sacramento City Council

June 23, 2009

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- Provide a reliable and safe water supply for the region's economic health and planned development to the year 2030; and
  - Preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River.
- B. The Water Conservation Element helps meet the region's water supply needs, and minimizes the need for increased groundwater pumping and increased use of surface water, including diversions from the American River.
- C. The City of Sacramento committed to implementing a comprehensive water conservation plan as a signatory to the Water Forum Agreement. That plan consisted of a series of individually negotiated Best Management Practices (BMPs). The Agreement called for five year updates to water conservation plans for addressing new or revised BMPs as a future "changed condition" discussion. The City and other signatories to the Agreement have been working since 2004 to update conservation plans.

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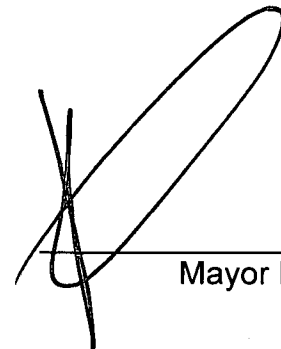
Adopted by the City of Sacramento City Council on June 23, 2009 by the following vote:

Ayes: Councilmembers Cohn, Fong, Hammond, McCarty, Pannell, Sheedy,  
Tretheway, Waters, and Mayor Johnson.

Noes: None.

Abstain: None.

Absent: None.

  
\_\_\_\_\_  
Mayor Kevin Johnson

Attest:

  
\_\_\_\_\_  
Shirley Concolino, City Clerk

## **V. WATER CONSERVATION ELEMENT**

### **A. Introduction**

*The Water Conservation Element of the Water Forum Agreement is essential to meeting both of the co-equal objectives of the Water Forum. It helps meet the region's water supply needs, and minimizes the need for increased groundwater pumping and increased use of surface water, including diversions from the American River. Each water supplier in the region is committed to implementing a comprehensive water conservation plan.*

Continued commitment to water conservation will benefit water purveyors, customers, and the environment because it:

- Reflects growing public support for the conservation of limited natural resources and adequate water supplies.
- Allows water districts to optimize the use of existing facilities.
- Delays or reduces the capital investments required for capacity expansion of water and wastewater treatment facilities even though the service area may grow.
- Is essential for the state and federal agency approvals which will be required for specific projects.

## **MUNICIPAL AND INDUSTRIAL WATER CONSERVATION**

### **B. Intent**

Water Forum Water signatories have generally agreed upon the following broad objectives for water conservation in the region:

- All parties seek to maximize water conservation in a way that is accountable, easy to monitor and track and are effective.
- A water conservation program has merit and all Water Forum purveyor signatories agree to implement a water conservation program that is consistent with the California Urban Water Conservation Council Memorandum of Understanding (Council MOU).
- Recognizing that many of our purveyors are not yet fully metered, there may need to be flexibility in how purveyors implement certain water conservation actions.
- While we are seeking a broad "universal" solution that applies to all purveyors, we recognize that each purveyor has unique water sources, decision-makers and structures, and constraints/opportunities.

### **C. Key Elements**

1. Water Forum signatories agree to update the Water Conservation Element of the Water Forum Agreement by replacing current water conservation plans with the "California Urban Water Conservation Council Memorandum of Understanding Regarding Urban Water Conservation in California," (Council MOU) including its Best Management Practices (BMPs), schedules, targets, procedures and requirements. Variations from the Council practices are noted in the following text.
2. Water Forum signatories agree that in replacing their 2000 Water Conservation Plans with Council MOU, they are agreeing to changes and modifications to

Council processes and BMPs as they evolve over time, including the 2008 revisions and subsequent revisions. Water Forum signatories further agree that signatory purveyors without land use authority can not be required to implement programs or processes that they do not have legal authority to implement (i.e. landscape requirements).

3. Water Forum signatories are encouraged to become members of the Council in order to be actively engaged in discussions regarding revisions to the MOU and the BMPs, and to take advantage of the Council's resources and expertise.
4. Water Forum signatories recognize that the Council has existing procedures in place to enable members to request exemptions from BMPs. Water Forum signatories agree that this process does not result in a clear decision and does not ensure full compliance of BMPs. To address this shortcoming, the Water Forum will use its own procedure for considering BMP modifications; known as deferrals.
5. Consistent with the assurances and caveats listed in Section Four of the Water Forum Agreement, it is recognized that over time there will be changed circumstances that are not currently foreseen. Therefore, signatories agree when the need arises to meet and confer on how best to respond.

**D. Pre-Determined Deferrals on Meter-Based BMPs**  
*(The following apply regardless of which Council track is implemented)*

1. For BMP 4 (metering), at a minimum we accept the pace of residential meter retro-fit by each of those Water Forum purveyors not yet fully metered, as stated in Appendix J of the 2000 Water Forum Agreement, or the pace required by State law, whichever controls. This deferral recognizes that several Water Forum water purveyors are not yet metered and are investing in water meter and retrofit programs at a pace that is feasible but which may not be the rate stated in the Council MOU.
2. For BMP 1 (Residential Audits), targets are based on the purveyor's number of metered residential accounts; so, as an agency becomes more fully metered, its "population" of potential audit customers increases. It is understood that this is a pre-determined "deferral." Audit programs must still be in place, but targets are proportional to metered accounts.

**E. Additional Deferral Requests**

1. If a water purveyor wants to request any other deferral from a standard BMP target, or a change in schedule or practice, the following procedure will be followed:
  - a. Water Forum signatories will follow the Council analysis and modeling tool. The analysis will be submitted to the Water Forum Water Conservation Negotiation Team (WCNT) who will have a technical review completed by an independent third party. The WCNT is composed of one representative from each Water Forum caucus (business, environmental, water, and public) and from each size and type of water purveyor in the region (publicly owned, investor owned, etc.)
  - b. Water Forum staff would develop a list of water conservation professionals based on qualifications and criteria agreed upon by the WCNT. This list of

qualified candidates will be vetted through the WCNT. The list needs to be long enough to ensure that purveyors have adequate choices and can maintain reasonable costs. The list could also include Council staff reviewers.

- c. The water conservation professional and water purveyor staff will conduct a review of the analysis for adequacy and compliance with the Council BMP. The review/technical validation will include checking data adequacy and accuracy, and will explore whether or not changes or modifications to the program design, would affect the outcome. The water conservation professional may suggest new partners or funds that might be available to assist the purveyor in implementing the BMP. This analysis with suggested changes will then be forwarded to the Water Conservation Negotiation Team for its review and discussion.
- d. After completion of the review/technical validation, if the BMP is found to have a benefit-cost ratio of 1 or greater (there is a greater benefit to the program than the cost to implement it), no deferral will be allowed.
- e. If a BMP is found to have a benefit-cost ratio of less than 1 (this is expected to be uncommon), then the purveyor will have the choice of continuing with the BMP or deferring that BMP and substituting an alternative program as described below. However, prior to selecting an alternative program, the purveyor will offer to meet with Water Forum stakeholders to discuss deferral/substitution options. The intent of the meeting will be to have an open discussion about the advantages and disadvantages of the deferral/substitution options, provide interested stakeholders with relevant information, and provide stakeholders an opportunity to weigh in on the deferral/substitution options. Deferral options under discussion at this meeting will include, among other things, methods for redesigning the potentially-deferred BMP. This open discussion is not intended to prolong the BMP planning process or second-guess the independent technical review.
- f. Water Forum signatories agree that for any program or BMP that is deferred, the water purveyor will apply the program costs that were reported in the BMP deferral analysis toward the implementation of another BMP with the intent of achieving as much if not more water savings through expanding one or more of the remaining BMPs. Water Forum signatories agree to take into account existing acceleration of a BMP on a case-by-case basis.
- g. Water Forum signatories agree that any benefit-cost analysis performed will include an environmental cost of water of \$75 per acre-foot, adjusted annually for inflation using the same method outlined in the Water Forum Agreement to adjust annual contributions to the Habitat Management Element. This \$75 amount was negotiated by members of the WCNT and is based on historical purchases of water from the region for the CALFED Environmental Water Account.
- h. Water Forum signatories agree that deferrals will be granted for a period of two years, in accordance with the reporting cycle of the Council. After this time, purveyors would either resume the BMP or seek another deferral using the same process outlined above.

**F. Assurances and Reporting**

1. Water Forum signatories recognize that some purveyors may need to seek support for certain conservation program by their boards and decision-makers. If requested, Water Forum signatories agree to publicly support conservation programs and any rate adjustments that are needed to implement the water conservation plans.
2. Reporting
  - a. Water purveyors will submit biennial reports on the implementation of water conservation activities pursuant to the reporting requirements of the Council. These reports will be shared with the Water Forum Successor Effort.
  - b. The biennial reports will include a comparison of total and per capita water use with original projections as published in the 2000 Water Forum Agreement Appendix J. In addition, the Water Forum will revisit the method used to estimate GPCD in the 2000 Agreement so that it is consistent with approaches used by other agencies and organizations, including the Council, the Legislature, and the Department of Water Resources.
  - c. If there were any significant differences from what water conservation activities or results were planned, an explanation of the differences will be included. If water conservation results were significantly less than anticipated, an indication of how the results will be achieved in the future will be described. Water purveyors have the option of reporting this information in the Council database comment field
3. Assurances

The Water Forum Successor Effort will do the following in order to facilitate compliance with water conservation implementation:

  - a. Publicize the biennial BMP implementation CUWCC reports that are submitted by Water Forum signatories. This can include distribution of the reports to all Water Forum signatories, boards, elected officials and the media.
  - b. Water Forum signatory organizations may submit letters to the State Water Resources Control Board, Department of Water Resources or other funding and/or regulatory agencies stating their support or opposition to requests or actions of other signatory organizations based upon progress of water conservation program implementation.
  - c. Water Forum signatory water purveyors will notify their customers as to agency progress toward water conservation program implementation through already established means of communication such as newsletters, customer bill inserts or water purveyor web sites. This will be consistent with the biennial reporting timeframe of the water conservation report.

## **G. Other Agreements**

**1. Florin County Water District and Del Paso Manor County Water District.** It is recognized that residential water meter retrofit along with quantity based pricing are important tools for improving the efficiency of water use. This helps extend the supply while also reducing the need for increased groundwater pumping or diversions from the American River.

It is also recognized that these two relatively smaller water purveyors currently rely totally on groundwater and will not realize immediate water supply benefits from participating in the *Water Forum Agreement*. Therefore until such time as these two purveyors need discretionary approvals for new or expanded surface water supplies, an active voluntary meter retrofit with incentives is acceptable. Nothing in the *Water Forum Agreement* prevents purveyors from deciding to undertake a more rapid meter retrofit program.

At such time as any of these purveyors needs discretionary approvals for new or expanded surface water supplies they agree to annually retrofit at least 3.3% - 5% of the total number of un-metered residential connections and read and bill as set forth below.

If in the future any of these purveyors receives benefits from another agency's conjunctive use program, it agrees to discuss its meter retrofit program with the Water Forum Successor Effort.

2. Water Forum signatories would not implement local meter retrofit on resale, or any other requirements that would impose escrow or disclosure responsibilities on realtors. All purveyors would retain the ability to implement incentives for a voluntary meter retrofit at time of resale that would not impose escrow or disclosure requirements.

3.. If requested, all signatories to the *Water Forum Agreement* will actively support the California Public Utilities Commission (CPUC) allowing investor-owned utilities to recover all costs of meter retrofit through rates.

4. A purveyor's agreed upon Water Forum water conservation plan shall be implemented for its entire service area including future changed boundaries.

## **AGRICULTURAL WATER CONSERVATION**

In 1990, agriculture in Sacramento County contributed to nearly 48% of the water demand for the area. It is projected that the future water demand for agriculture will drop to approximately 29% by 2030. This is due to a number of reasons including the conversion of agricultural land to urban uses as anticipated by the adopted General Plans. Another reason for water use reduction is that agriculture in Sacramento County is projected to become more water efficient. By the year 2030 irrigation efficiencies are expected to increase by 5%.

The amount of water used by agriculture is determined by the crops grown, the type of irrigation system, and the incentives or regulations in place to increase irrigation efficiencies.

In the northwest section of Sacramento County the principal crop is rice. Water is supplied by the Natomas Central Mutual Water Company (NCMWC) which is a Central Valley Project (CVP) contractor. NCMWC has been conserving water since 1986 through the installation of recirculation systems which reduce water diversions while growing the same amount of crops. These systems have reduced water use in rice fields by 26%. In the future, NCMWC will continue to conserve surface water by conjunctive use. By pursuing this additional method, it is expected that another 5% could be saved. Other efforts, such as lined canals in sandy soil, tiered pricing, and other controls are expected to gain additional efficiencies.

In the southern section of Sacramento County, water is supplied principally through the pumping of groundwater. One incentive to reduce agricultural water use in this area has been the cost of electricity to pump groundwater. Since the early 1950's the south County agricultural irrigation districts (Galt, Clay, Omochumne-Hartnell) have been practicing water conservation by installing recirculating systems so water would not be lost at the end of the fields and drip irrigation systems for certain row crops. It is estimated that these methods have reduced water use by up to 50% compared to field irrigation. By implementing additional conservation measures it is expected that another 5% could be saved by 2030.

Much of the surface water currently used by agriculture in the Sacramento region is from the Central Valley Project (CVP). In addition, as provided for in the PSA for South Sacramento County Agriculture, the agricultural irrigation districts (Galt, Clay, Omochumne-Hartnell) in the southern section of Sacramento County plan to divert and use up to 35,000 acre-feet from Folsom-South Canal in years when the projected March to November unimpaired inflow to Folsom Reservoir is greater than 1,600,000 acre-feet. This will augment its groundwater supplies. This surface water most likely will come from the CVP. Surface water from the CVP for agricultural use is subject to the conservation requirements of the CVP Improvement Act of 1992 including criteria for BMPs for Agricultural Contractors.

Support for this diversion is linked to successful negotiation of an agricultural water conservation program. Specifics on the Water Forum's agricultural water conservation program will be negotiated by the Water Forum Successor Effort.